

AMENDMENTS TO THE SPECIFICATION

Please replace the Abstract with the following rewritten Abstract:

A system including sub-networks mounted with different kinds of protocols/profiles, a gate way/proxy for connecting the sub-networks, ~~a gate way/proxy for connecting the sub-networks~~, and nodes on the sub-networks, the gateway/proxy being mounted with processing of a physical layer and a data link layer as a protocol of the sub-network and ~~processing of a physical layer and a data link layer as a protocol of the sub-network~~ and having a common transport layer and a service proxy and a client proxy shared by the sub-networks.